

Sodium peroxodisulfate, EssentQ®

Identification

Na₂S₂O₈
M = 238,09 g/mol
CAS [7775-27-1]
EC number: 231-892-1
Taric code: 2833 40 00

Synonyms

Sodium persulfate, Peroxydisulfuric acid disodium salt

Applications

analytical chemistry, laboratory reagent, oxidizing agent, in the electronic industry, for determination of: TOC.

Specifications

assay (iodometric).....min. 98 %	copper (Cu).....max. 0,002 %
insoluble in water.....max. 0,05 %	iron (Fe).....max. 0,002 %
Cl compounds (as Cl).....max. 0,05 %	lead (Pb).....max. 0,002 %
nitrogen compounds (as N).....max. 0,1 %	magnesium (Mg).....max. 0,01 %
calcium (Ca).....max. 0,01 %	nickel (Ni).....max. 0,002 %

Physical data

- Appearance: crystals, white or almost white
- Spec. Density: 1,10 g/cm³
- Bulk density: ~ 1150 kg/m³
- Solub. in water: (20 °C): 545 g/l
- pH(100 g/l H₂O, 20 °C) 3,5 - 3,8

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H272: May intensify fire; oxidiser.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H302: Harmful if swallowed.
H335: May cause respiratory irritation.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H317: May cause an allergic skin reaction.



Precautionary Statements:

- P221: Take any precaution to avoid mixing with combustibles.
P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370+P378: In case of fire: Use ... for extinction.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 5.1 O2 III • UN 1505 • SODIUM PERSULPHATE
- IMDG: 5.1 III • UN 1505 • SODIUM PERSULPHATE
- IATA/ICAO: 5.1 III • UN 1505 • SODIUM PERSULPHATE
- PAX: 516
- CAO: 518
- 10°C - 30°C